Claims

1. A method for managing data transmission in a data network, **characterized** in that said method comprises the following steps, where

- a determined piece of information is stored in a storage location according to a determined address (105, 110)
- the address information that determines said address is transmitted to the intermediator (128),
- information of at least one user who has the right to access said determined piece of information is transmitted to the intermediator (115),
- said address information is stored in the user-specific directory of the intermediator, in which directory said at least one user has access (250), and
- said determined piece of information is transmitted to the user on the basis of said address information (380).

2. A method according to claim 1, **characterized** in that said address information is encrypted by the user's public key, in which case the address information encryption can be decoded by the user (120, 365).

3. A method according to claim 1, **characterized** in that said user information is encrypted by the intermediator's public key (125), in which case the intermediator decodes the user information encryption and records the address information in a user-specific intermediary directory on the basis of said user information (235-250).

4. A method according to claim 1, **characterized** in that in between the user and the first intermediary directory, there is established a connection on the basis of user verification.

5. A method according to claim 4, **characterized** in that for one user, there are created two intermediary directories, in which case between the user and the first intermediary directory, there is established a connection on the basis of a first verification of the user, and in between the user and the second intermediary directory, there is created a connection on the basis of a second verification of the user, in which case the first and second verification are mutually different as regards the reliability (strength) typical of said verification procedure.

6. A method according to claim 1, **characterized** in that the intermediator transmits a given information to the user.

7. A method according to claim 6, **characterized** in that
- the user sends the intermediator a request for receiving a given piece of information,
- an encryption decoding key for decoding the encryption of said given piece of information is transmitted to the user,
- the transmission of said encryption decoding key to the user is registered as an indication of the reception of said document.

8. An arrangement according to the invention for managing data transmission in a data network, **characterized** in that said arrangement comprises
- means for storing a determined piece of information in a storage location according to a determined address (411, 413)
- means for transmitting said address information to an intermediator, said address information defining said address (411, 430, 441),
- means for transmitting to the intermediator information of at least one user who has right to access said determined piece of information (411, 412, 430, 44),
- means for storing said address information in the user-specific directory of the intermediator, in which directory said at least one user has access (441, 448), and
- means for transmitting said determined piece of information to the user on the basis of said address information (413, 411, 430, 420).

9. An arrangement according to claim 8, **characterized** in that said arrangement also comprises means for encrypting said address information by the user's public key, so that the address information encryption can be decoded by the user (411, 412).

10. An arrangement according to claim 8, **characterized** in that said arrangement also comprises means for encrypting said user information by the intermediator's public key prior to the transmission to the intermediator, means for decoding the encryption of the user information after transmission to the intermediator and means for recording the address information in a user-specific intermediary directory on the basis of said user information (411).

11. An arrangement according to claim 8, **characterized** in that said arrangement comprises means for verifying the user in order to establish a connection between the user and the intermediator (441, 446).

12. A method according to claim 11, **characterized** in that said arrangement comprises means for creating two intermediary directories for one user, means for establishing a connection between the user and the first intermediary directory on the basis of a first verification of the user, and means for establishing a connection between the user and the

second intermediary directory on the basis of a second verification of the user, in which case the first and second verification are mutually different as regards the reliability (strength) typical of the verification procedure.